

HAUP, OTTO

Haupt, Otto. Über die ebenen Bogen der linearen Ordnung. Drei. Acta Univ. Szeged. Sect. Sci. Math. 13, 153-162 (1950).

An arc \mathfrak{A} is the single-valued continuous image of a segment in the real projective plane. The order (index) of \mathfrak{A} is the maximum (minimum) number of points that \mathfrak{A} has in common with any straight line. The order of a point of \mathfrak{A} is the order of a sufficiently small neighborhood on \mathfrak{A} of that point. The author classifies the arcs \mathfrak{B} of order three. The following features are considered: The index of \mathfrak{B} ; the number of double points; the number of points in which \mathfrak{B} is met by the straight line through the end-points A, C of \mathfrak{B} and, if \mathfrak{B} has the index zero, their order on AC ; the position of small neighborhoods (on \mathfrak{B}) of A and C in relation to AC and to the one-sided tangents at A and C ; the number and types of the points of order three on \mathfrak{B} ; the minimum number of convex arcs into which \mathfrak{B} can be decomposed. It follows from this classification that this minimum number is not greater than four, respectively three, if \mathfrak{B} has the index zero, respectively one. The first part of this corollary was proved by Marchaud [Acta Math. 55, 67-115 (1930)]. Besides the above classification which is stated without proofs, the present paper contains a simple direct proof of Marchaud's result. P. Scherk (Saskatoon, Sask.).

Source: Mathematical Reviews.

Vol. 42 No. 8

Mechanics, Mechanika, Power

P.T.A.
Haupt, T.

SAC 73 021-79

023

Gleindel R., Haupt T. Engine Testing, Part 2. Pressure Control and
Indicators for Low-Speed Engines.

„Pomiarary mocyw”, Cz. 2 „Pomiarów eksploatacyjnych dla ma-
cyn wolnobiegowych”, Krakow, 1949, Inst. Pom. Stud. Wydz. Politech.
A. G., 48, pp. 116, 120-123.

Pressure test methods and instruments; Indicators for low and
medium-speed engines. Principles of operation. Indicator designs.
Recording mechanism: springs, drum. The fitting of indicators to
engines. Reduction of stroke. Indicator testing. Spring calibration
Computation of the area of indicator diagrams. Method of fixing by
detectors and obtaining diagram charts. Indicator testing in railway
engines. Standard types of diagrams. Diagrams moved through an
angle of 90°, time cycle diagrams. Abnormal diagrams resulting from
indicator faults. Piometre. Integrating indicators.

HAUPT, Tadeusz, dr. inz.

Controlling the secondary air stream in combustion chambers of
gas turbines. Energetyka Pol 16 no.7:215-218 Jl '62.

1. Akademia Gorniczo-Hutnicza, Krakow.

HAUPT, Tadeusz, dr inz.

Selection of auxiliary power for automatic control systems
in coking plants and those related. Problemy proj hut
maszyn 11 no. 6: 192-197 Je '63.

1. Akademia Gorniczo-Hutnicza, Krakow, i Koksoprojekt,
Krakow.

INT'L FILE, R.

Remarks on Dr. Budric's article "Experiments and Attainments in the Drug Industry." p. 1795. (TEHNIKA, Vol. 9, no.11, 1954. Secred, Yugoslavia)

SO:Monthly List of East European Accessions, (LIL), 10, Vol. 4, No. 4, Apr 1955, Unci.

YUGOSLAVIA/Chemical Technology. Pharmaceuticals. Vitamins.
Antibiotics.

H

Abs Jour: Ref Zhur-Khin., No 24, 1958, 82681.

Author : Benzingier, F., Hauptfeld, R., Hohnjec, S.

Inst :

Title : The Essential Oil of Wilfoil as an Azulone-Containing Preparation.

Orig Pub: Farmak glasnik, 1957, 13, No 11-12, 467-472.

Abstract: The antiflogistic action of the essential oil of milfoil with 15% azulene and pure synthetic guniazulene was studied. Both compounds were used as a solution in neutral olive oil or as a 2% aqueous solution containing 15% Tween 20. The experiments, conducted on human subjects and on animals the skin of which was

Card : 1/2

YUGOSLAVIA/Chemical Technology. Pharmaceuticals. Vitamins.
Antibiotics.

H

Abs Jour: Ref Zhur-Khim., No 24, 1958, 82681.

affected by erythema, caused by UV irradiation,
confirmed the conclusions of other authors that
azulene does not affect erythema and hives.

Card : 2/2

POLAND/Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi R-1

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31079

Author : Hauptman, Bronislaw

Inst : -

Title : Some Remarks Regarding Foot Rot

Orig Pub : Med. weteryn., 1956, 12, No 4, 209-211

Abstract : In the light forms of the foot rot disease, iodoform and sulfonamides can be used, but in severe cases a penicillin emulsion (100,000 units in 500 ml. of cod liver oil) produces better results. In deep lesions of the hooves, an emulsion composed of 500,000 units penicillin, 20,000 units vitamin A, and 40,000 units vitamin D in 500 ml. of cod liver oil, brought about a rapid recovery. The use of caustic substances is contraindicated. Creolin, formalin and 10% solution of cupric sulfate may be used only for prophylaxis.

Card : 1/1

HAUPTMAN, Bronislaw (Legnica)

Preliminary studies on the influence of cobalt chloride upon cases
of cachexia in animals. Rocznaukroln wet 70 no.1/4:135-136 '60.
(EEAI 10:9)

(Animals) (Cobalt chlorides)

POLAND/Fitting Out of Laboratories + Instruments.
Their Theory ; Construction, and Use.

H-

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 8658
Author : Hauptman, E.
Inst :
Title : On the Design of Colorimeters.
Orig Pub : Pomiary, automat, kontrola, 1956, 2, No 1, 3-9 (in Polish)

Abstract : Various types of colorimeters, their characteristics and applications are discussed. A comparison has been made of the Pulfrich, Visomat, Fol'tin, and ~~PERK-M~~ colorimeters and of the Spekker photometer by recording the absorption curves obtained for solutions of $K_2CrO_4 + KOH$ and $CuSO_4 + NH_3$.

Card 1/1

HAUPTMANN, Erik, dr.; MICULINIC, Rudolf, dr.

Comparative studies on the IGT, chlorpropamide and tolbutamide
test. Lijecn. vjesn. 86 no.4:427-432 Ap '64

1. Iz Internog odjela Bolnice "Dr. O. Novosel", Medicinskog
fakulteta u Zagrebu.

ZERGOLLERN, Vesna, Mr.Ph.; DURRIGL, Teodor, dr.; CREPINKO, Inge, dr.;
HAUPTMANN, Erik, dr.

Cytological analysis of articular effusions in rheumatoid
arthritis patients. Lijecn. vjesn. 87 no.2:147-151 F '65.

l. Iz Zavoda za reumatske bolesti "Dr. Dora Filipovic" i
Interne klinike Medicinskog fakulteta u Bolnici "Dr. Ozren
Novosel" u Zagrebu.

ROGUIJ, Branko, dr.; ADAMOVIC, Ratimir, dr.; MIHALIC, Helena, Mr.Ph.;
HAUPTMANN, Erik, dr.

Anticoagulant effect of acenocoumarol (Syncoumar "Egyt").
Lijecn. vjesn. 87 no.7:775-781 Jl '65.

1. Iz Interne klinike Medicinskog fakulteta, Opca bolnica
"Dra Ozrena Novosela" u Zagrebu.

HAUPTMAN, J.

"Recommendation of a Simple Method of Mechanizing Silage", p. 620,
(ZA SOCIALISTICKE ZEMEDELSKI, Vol. 4, No. 6, June 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Acquisitions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

HAUPTMAN, J.; SVARCBERK, J.

New application of milking machines. p. 211.

SEORNIK. RAD A MECHANISACE A ELEKTRIFIKACE ZEMEDELSTVI A LESNICTVI

Vol. 29, no. 4, Aug. 1956

Czechoslovakia

Source: EAST EUROPEAN LISTS Vol. 5, no. 11 Nov. 1956

HAUPTMAN, J.

Feed-water equipment for cattle open-air stables. p. 137.

SBORNIK. ZEMEDELSKA TECHNIKA. (Ceskoslovenska akademie zemedelskych ved.)
Praha, Czechoslovakia, Vol. 5, no. 2, May 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

HAUPTMAN, J.

Consultation on new technological methods of cattle breeding. p. 323.

VESTNIK. (Ceskoslovenska akademie zemedelskych ved.) Praha, Czechoslovakia,
Vol. 6, no. 6, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

HAUPTMAN, Jaroslav, inz., C.Sc.

Symposium on cattle and swine breeding. Vestnik vyzk
zemadel 10 no.1:26-30 '63.

1. Ustredni vyzkumny ustav zivocisne výroby, Uhrineves.

HAUPTMAN, Jaroslav, inz, CSc.

Effect of milking equipment with a central pulsator and
variable pulsation rate on the course of milking. Zemedel
tech 11 no.2:107-128 F '65.

1. Central Research Institute of Animal Production, Uhrinovce.
Submitted September 17, 1964.

HAUPTMAN, Jaroslav, inz. CSc.

Problems of technology and technique in milch cow breeding.
Vest ust zemedel 12 no.4:180-183 '65.

1. Central Research Institute of Animal Production, Uhrineves.

Hauptman, Z.

CZECHOSLOVAKIA / Physical Chemistry. Thermodynamics. B
Thermochemistry. Equilibria. Phase
Changes. Physico-chemical Analysis.

Abs Jour : Ref Zhur - Khimiya, No 12, 1959, No. 41591

Author : Hauptman, Zdenek

Inst : Not given

Title : Properties of Periodic Acid. I.
 $\text{HIO}_4\text{-H}_2\text{O}$ System

Orig Pub : Chem. listy, 1958, No 6, 1015-1027

Abstract : Dehydration of periodic acid (I) by thermo-gravimetric methods in the temperature interval of 90-230° was studied. It was found that the first step in the dehydration of I leads to the formation of the iodic anhydride hydrate which was not known previously, and to triiodic acid

Card 1/2

CZECHOSLOVAKIA / Physical Chemistry. Thermodynamics. B
Thermochemistry. Equilibria. Phase
Changes. Physico-chemical Analysis.

Abs Jour : Ref Zhur - Khimiya, No 12, 1959, No. 41591

($3\text{I}_2\text{O}_7 \cdot 7\text{H}_2\text{O}$ or $\text{H}_7\text{I}_3\text{O}_{14}$). Very pure I was synthesized by a previously described method (Willard H. H., Inorg. Synthesis, 1939, 1, 172). Stability in a vacuum and at atmospheric pressures was investigated. The values of water vapor tension over $\text{HIQ}_4 \cdot \text{H}_2\text{O}$ at 89° as found do not check with values derived in the literature (Partington J. R., Bahl R.K., J. Chem. Soc., 1934, 1086). Judging from the shape of the tensometric and dehydration curves, it was concluded that no compounds of alternate compositions were formed in the H_5I_6 (solid) - $\text{H}_7\text{I}_3\text{O}_{14}$ (solid) - H_2O (gas) system. -- V. Ruzicka

Card 2/2

HNUTI MAN L.
Distr: 4E2c

Domain structure of cobalt whiskers. Jan Kaczer,
Richard Gemperle, and Zdenek Hauptman (Czechoslov.
Acad. Sci., Prague), *Czechoslov. J. Phys.*, 9, 608-12 (1959)
(in English).—The colloid technique was used. A new type
of domain structure is found; the width of the domains is
studied as a function of the thickness of the whisker. This
dependence follows a $\frac{1}{4}$ power law and does not agree
with existing theories which predict a half power law.
dy 24 references. A. Kremheller

4
1-3000(30)

Z/008/61/000/001/004/005
E112/E253

AUTHOR: Hauptman, Zdeněk
TITLE: Laboratory Apparatus for Crystallizations in an Inert Atmosphere
PERIODICAL: Chemické listy, 1961, No. 1, pp. 70-72

TEXT: An improved laboratory equipment is described which permits carrying out a sequence of chemical operations, such as dissolving, filtration, crystallization, separation of crystals from the mother-liquors, etc. in the absence of air. It is claimed that the new apparatus is superior to that of Ulich (Chem. Fabrik, 4,278, 1931). It consists of two cylindrical, round-bottomed vessels, A and B, joined together by flanged joints with ground-glass surfaces. A filter disc (f) from sintered glass and a diameter of 56 mm is fused into vessel B. Glass tubes t_1 , t_2 , reaching to the bottom of the vessel, introduce the inert gas, while t_3 and t_4 lead to exhaust and vacuum pump respectively. The joints are gripped together by clamps o_1 and o_2 and a foamed rubber insert. Two metal rods (p), fixed to clamp o_2 rotate freely in bearings (l). The equipment can be turned round by 180° , or rocked and tilted. The following advantages are claimed

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Z/008/61/000/001/004/005
E112/E253

Laboratory Apparatus for Crystallizations in an Inert Atmosphere

over the apparatus of Ulich: the flanged joints are superior to Ulich's conical joints. The use of vacuum grease can be dispensed with (it may cause contamination of the substances) and the danger of "freezing" of the joints is thus minimized. The use of four inserted glass tubes (in contrast to Ulich's two) permits a mixing of the reagents by an air current, this being of particular importance for crystallizations. The working of the apparatus is explained by a detailed description of the preparation of ferrous bromide from iron powder and hydrobromic acid: the two chemicals, the latter in excess, are inserted into vessel B through t_4 . The solution is concentrated under reduced pressure by applying vacuum at t_4 , while nitrogen is introduced through t_2 to the bottom of the vessel. The solution is then transferred (by suction) to vessel A, where it is allowed to crystallize, while maintaining the introduction of nitrogen. Container A is surrounded by a freezing mixture. The apparatus is then turned over by 180° and the crystals are separated by suction. They can be dried on the filter disc in a current of nitrogen, heating simultaneously by

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Z/008/61/000/001/004/005
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Laboratory Apparatus for Crystallizations in an Inert Atmosphere means of an infra-red lamp. The crystals of $\text{FeBr}_2 \cdot 6\text{H}_2\text{O}$ which were obtained, were free of ferric oxide and bromide. Acknowledgements are expressed to Moc for producing the glass part of the equipment. There are 1 figure and 3 non-Czech references.

ASSOCIATION: Fysikální ústav ČSAV, Praha
(Physics Institute, ČSAV, Prague)

SUBMITTED: December 31, 1959

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Z/008/61/000/001/004/005
E112/E253

Laboratory Apparatus for Crystallizations in an Inert Atmosphere

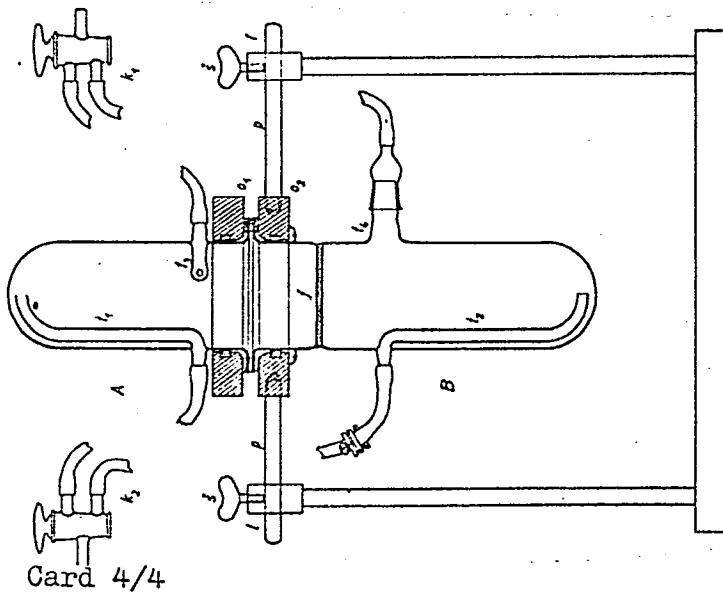


Fig. 1

Obr. 1
Apparatura pro přípravě
v ochranné atmosféře
(Popis v textu.)

Z/055/62/012/009/005/005

AUTHORS: Hauptman, Z., Kotrbová, M.

TITLE: The growth of crystals by the chemical transport
of material II. Growth of iron whiskers¹

PERIODICAL: Czechoslovak Journal of Physics, v. 12, no. 9,
1962, 723-724

ABSTRACT: When studying the epitaxial growth of iron on seed crystals by the method of chemically transporting iron over volatile compounds in a sealed ampoule, we observed that under certain conditions iron whiskers are formed in addition to the formation of epitaxial layers. Since the experimental arrangement employed offers far better possibilities for defining the growth conditions than methods of growing iron whiskers known up to now, we aimed our research work at studying the growth of whiskers under conditions of chemical transport. We chose a transport system in which the transport of iron (from the

¹Paper I see Czech. J. Phys. B 12 (1962), 148.

Card 1/6

Z/055/62/012/009/005/005

The growth of crystals by the chemical...

warmer to the cooler zone) is brought about by a reversible reaction:
 $\text{Fe}_{(s)} + 2 \text{HCl}_{(g)} = \text{FeCl}_{2(g)} + \text{H}_2$. This system has already been studied from the chemical point of view by Schäfer [1]. The method of measurement was fundamentally the same for all our experiments. Iron filings, prepared by vacuum remelting of powdered carbonyl iron, were placed in one end of a quartz ampoule (reaction zone). Selected iron seed whiskers, prepared by Brenner's standard method [2], were inserted into the quartz stand in the other end of the ampoule (growth zone). These whiskers will be denoted here as "primary" in order to distinguish them from those formed in transport conditions ("secondary" whiskers). Four to six primary whiskers were placed in a row over a section of about 3 cm along the ampoule. The latter was then thoroughly pumped to a high vacuum and, after filling with a measured amount of gaseous hydrogen chloride (about 4×10^{-6} mol.), was sealed off. Transport took place at an average rate of 4-5 mg/h due to the formation of a temperature gradient along the axis of the ampoule (reaction zone).

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2/055/62/012/009/005/005

The growth of crystals by the chemical...

860° - growth zone: 700°C). At the beginning of each experiment the surfaces of the primary whiskers were always slightly etched by reverse transport in order to remove adsorbed impurities. Under the above conditions we regularly observed the growth of secondary whiskers which nucleated both on the primary whiskers (see Fig. 1)² and on the quartz. At the end of the growing cycle (64 hours) they had reached lengths of 6 mm and thicknesses of about 30 μ . Their cross-section was usually square. It was particularly remarkable that along both edges of the section, in which the primary whiskers were located, the walls of the ampoule were covered with a continuous layer of iron (mirror), while inside this section the walls were only relatively scarcely covered with small crystals and whiskers (Fig. 2). This is a favourable circumstance, permitting observation of growth inside the section in question. In the absence of primary whiskers the walls were covered with an almost continuous layer over the whole length of the growth

² -----
For both figures see Appendix IV (p. 726f).

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Z/055/62/012/009/005/015

The growth of crystals by the chemical...

zone while practically no secondary whiskers were formed. Introduced primary whiskers obviously change the supersaturation field inside the ampoule so that the supersaturation at the ampoule walls decreases to a value which is not very far from the critical value for nucleation on quartz glass. Epitaxial layers grew over the whole surface of the primary whiskers simultaneously with the growth of the secondary whiskers. These layers had the same orientation as the substrate and a relatively coarse surface relief, composed of densely ordered pyramids, resembling the surface of germanium crystals, grown in a similar way [3]. In most cases it was not possible to make visible the boundary between the primary whiskers and the epitaxially grown layer by etching the polished cross-section. More exact data cannot yet be given on the kinetics of the growth of secondary whiskers. We expect that the measurement of the growth rates of the individual secondary whiskers, in ampoules supplied with optical windows, will provide more detailed information on the growth mechanism. The transport method, from the point of view of studying the growth of iron whiskers, has a great

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Z/055/62/012/009/005/005

The growth of crystals by the chemical...

advantage in that growth takes place practically in a stationary state, so that supersaturation can be defined (at least for simpler systems such as ours) on the basis of equilibrium data. Existing methods of growing iron whiskers [4-6], based on the reduction of volatile halogenides of iron in a hydrogen stream, have the common drawback that they do not permit the supersaturation in the place where the whiskers grow to be satisfactorily defined. Under reduction conditions in a hydrogen stream quite considerable fluctuations occur in the composition of the gaseous phase in the growth zone. Wiedersich's modification [5] represents an attempt towards approximating steady growth conditions. References: [1] Schäfer H., Etzel K.: Z. anorg. allg. Chem. 301 (1959), 137; [2] Brenner S. S.: Acta Met. 4 (1956), 62; [3] Marinace J. C.: IBM J. of Res. Development 4 (1960), 248; [4] Cochard A. W., Wiedersich H.: Naturwissenschaften 11 (1955), 342; [5] Wiedersich H.: J. Electrochem. Soc. 106 (1959), 810; [6] Wayman C. M.: J. Appl. Phys. 32 (1961), 1844.

Card 5/6

Z/055/62/012/009/005/005

The growth of crystals by the chemical...

Abstractor's note: entire article

ASSOCIATION: Institute of Physics, Czechoslovak Academy
of Sciences, Prague

SUBMITTED: March 14, 1962

Card 6/6.

HAUPTMAN, Z.; SVOBODA, E.

Correlation between the growth of copper whiskers in the reduction of copper (I)-bromide with hydrogen and the chemical kinetics of this reduction. Coll Cz Chem 3C no.5:1373-1389 My '65,

1. Physikalisches Institut, Tschechoslowakische Akademie der Wissenschaften, Prague und Purkyne-Universität, Brno. Submitted May 4, 1964.

HITLER LIPSTICKS L.

MALJEVAC, I., Dr.; HAUPTMANN, E., dr.; GVOZDANOVIC, V., dr.

Cruveilhier-Baumgarten diseases and syndrome; with a case report.
Lijec. vjes. 79 1-2:39-49 Jan-Feb 57.

1. Iz Interne klinike i Zavoda za rentgenologiju Medicinskog
fakulteta u Zagrebu.
(CRUVEILHIER-BAUMGARTEN SYNDROME, case report
(Ser))

YUGOSLAVIA

HAUPTMANN, Erik; and CREPINKO, Inga, Clinic of Internal Medicine of the Medical College in the Hospital (Interna Klinika Medicinskog fakulteta u Bolrici) "Dr. Ozren Novosel" Zagreb

"Dibromomannitol and Its Effect on Chronic Granulocytic Leukemia and Polycythemia vera"

Zagreb, Lijecnicki Vjesnik, Vol 88, No 4, Apr 66; pp 408-413

Abstract: [English summary modified] Treatment of 12 patients with chronic granulocytic leukemia and of 2 with polycythemia vera with the new Hungarian drug dibromomannitol (Myelobromol, Chinoim, Budapest); total dose 3.25 to 16.875 grams at the rate of 250 to 500 mg per day for 8 to 63 days. Good results, no noteworthy side effects. 2 tables, 3 graphs, 1 Yugoslav, 10 Western references. Manuscript received 8 Nov 65.

1/1

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000617920002-4

SKRABALO, Zdenko, dr.; CREPINKO, Inga, dr.; GRGIC, Zvonimir, dr.; HAUPTMANN,
Erik, dr.

Use of aspiration cyto-diagnosis in diseases of the thyroid gland.
Lijecn. vjesn. 83 no.10:1035-1042 '61.

1. Iz Internog odjela Bolnice "Dra O. Novosela", Interne klinike Medi-
cinskog fakulteta Sveucilista u Zagrebu, i Centralnog medicinsko-
kemijskog laboratorija grada Zagreba.

(THYROID GLAND pathol)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000617920002-4"

HAUPTMANN, J., mgr inz.; SZOPOWSKI, Z., mgr inz.

Working draft for the dry-dock construction at the Paris Commune
Shipyard in Gdynia. Tech gosp morska 12 no.11:331-334 N '62.

1. Biuro Projektow Budownictwa Morskiego, Gdańsk.

KISIEL, Igor, prof. dr inz.; RADZIKOWSKI, Adam doc. dr inz. NAJDER,
Janusz, mgr inz.; HAUPTMANN, Janusz mgr inz.

Discussions on papers and communications. Rozpr hydrotechn
no.12:155-160 '62.

1. Technical University, Wroclaw (for Kisiel). 2. Technical
University, Szczecin (for Radzikowski). 3. Research Institute of
Hydraulic Engineering, Polish Academy of Sciences, Gdansk (for
Najder). 4. Biuro Projektow Budownictwa Morskiego, Gdansk (for
Hauptmann).

G/030/63/003/003/002/007
B185/3102

AUTHORS: Hauptmanová, K., and Pátek, K.

TITLE: Measurements of the growth rates of ZnS single crystals grown from the vapor phase

PERIODICAL: Physica status solidi, v. 3, no. 3, 1963, 383 - 391

TEXT: The crystals were grown in an apparatus described earlier (Czech. J. Phys. B 12 (1962) 313) for which supplementary data are given here. At 1200°C and 760 mm Hg hydrogen sulfide pressure and a temperature gradient of 30 deg cm⁻¹ the growth is characterized by simple whiskers which gradually widen to prismatic needles. At a temperature gradient of 45 deg cm⁻¹ the rates of growth are 3 - 10 times higher in all directions and the forms of growth are complicated: growing of plates on whiskers or needles and parasitic forms of crystallizations on whiskers. Sufficiently thin crystals show birefringence and appear completely homogeneous, probably because they are purely hexagonal, but the typical striated structure occurs when the temperature is lowered to 700°C. The heating of crystals by the resulting heat of crystallization and its effect on the rate of
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G/030/63/003/003/002/007

B185/B102

Measurements of the growth rates...

growth are discussed. The measured rates of growth of from 10^{-6} cm \cdot sec $^{-1}$ perpendicular to the c-axis to 10^{-4} cm \cdot sec $^{-1}$ in the direction of the c-axis are interpreted by the mechanism of two-dimensional nucleation or by that of dislocation. There are 4 figures and 2 tables.

ASSOCIATION: Physikalisches Institut der Tschechoslowakischen Akademie der Wissenschaften, Prag (Physics Institute of the Czechoslovakian Academy of Sciences, Prague)

SUBMITTED: December 11, 1962

Card 2/2

L 482/3-45 EWP(s)/EWP(i)/EWP(t)/EWP(n) P-3 IJP(c) J/JG 11/1
ACCESSION NR: AP5012371 GE/0030/69/009/002/0525/0531
AUTHOR: Hauptanova, K.; Pantoflicek, J.; Patek, K.
TITLE: Absorption and fluorescence of the Nd³⁺ ion in silicate glass 1/2
SOURCE: Physica status solidi, v. 9, no. 2, 1965, 525-537
TOPIC TAGS: rare earth optical property, Nd³⁺, fluorescence, glass laser, glass absorption spectra,
glass emission spectra, glass quantum yield, glass absorption spectra, quantum yield,
and fluorescence decay in three series of glasses: 1) basic glasses, generally
with constant Nd₂O₃ concentration; 2) the same basic glass (barium crown glass)
but with varying Nd₂O₃ concentration; and 3) glass with varying mono- and divalent
metal ions and constant Nd₂O₃ concentration. A systematic decrease of the splitting
of the ground level ⁴I_{9/2} with the Nd concentration was observed. This dependence
was not observed for other lines, and no reasonable explanation could be found for
this discrepancy. Ba⁺⁺ was found to be the optimal divalent ion for use as the
following element in the series Ca⁺⁺ → Sr⁺⁺ + Ba⁺⁺. The Nd³⁺-Nd³⁺ interaction,
which leads to the change of transition probabilities q(r), is interesting from the
standpoint of the distances at which the interaction begins to work. At a Nd³⁺-Nd³⁺
dist. 1/2 Card 1/2 022 [JA] SUB CODE: OP,MT

HAUPTMANOVA, K.; SOUCKOVA, L.

International symposium on luminescence. Vestnik CSAV 72 no.1:
79-81 '63.

HAUFTMANN, Janusz, mgr., inz.

Design for a drydock construction in Gdynia. Tech gosp morska 12 no.
4:110-111. Ap '62

1. Biuro Projektow Budownictwa Morskiego, Gdańsk.

HAUPTVOGL. J.

HAUPTVOGL. J. Notes on teh honoring of this year's contract with the machine-tractor station. p. 10.

Vol. 10, no. 12, Dec. 1956

ROLNICKE HLASY

AGRICULTURE

Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

HAUS, B.; WERST, B.

Concerning the measurement of work productivity in the meat industry. p. 11.

GOSPODARKA MIESNA, Vol. 7, No. 9 Sept. 1955

(Polskie Wydawnictwa Gospodarcze) Warszawa

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1 Jan. 1956

HAUS, B.

Organization of assembly-line machine tool production. p.539.

MECHANIK. (Stowarzyszenie Inżynierów i Techników Mechaników Polskich)
Warszawa, Poland. Vol.32, No.9, Sept. 1959.

Monthly list of East European Accession (EEAI) LC, Vol.9, no.1, Jan. 1960.

Uncl.

HAUS, Ber; DWORZAK, Barbara

Influence of the scope of production series on productivity and wages.
Przem drzewny 13 no.4:18-19 Ap '62.

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"Tablice do arytmometrycznego obliczenia pierwiastka kwadratowego". Przeglad Techniczny, No. 12, 1950, pp. 385-387, 1 fig., 2 tab.

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Vol. 2, No. 1, 1953.
Vol. 5 No. 1, 1956.

Warszawa, Poland

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 5, No. 10 Oct. 56

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"Compensation of Trigonometric Tables with the Rejection of the Idea
of Faultless Liaison Points", P. 17. (GEODEZJA I KARTOGRAFIA, Vol. 3,
No. 1, 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4,
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The method of compensation of the Pranis-Praniwicz group as comprised
in cracovians. p. 35. GEDDEZJA I DARTOGRAFIA. (Polska Akademia Nauk.
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SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5
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SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

HAUSBRANDT, S.

Application of the cracovian calculus to the transformation of rectangular coordinates in calculations for flat phototriangulation.

P. 102 (FUNDAMENTA MATHEMATICAE) Vol. 6., No. 2, 1957

SO: Monthly Index of East European Acessions (AEEI) Vol. 6, No. 11, 1956

Hausbrandt, S.

09/19/2001 09/19/2001/24

AUTHOR:

Knaushrandt, Stefan, Professor

TITLE:

On the Problem of Balancing Systems With Measured Traverses
and Angles (K voprosu ob uravnoveshivanií seti s izmerennymi
storonami i ugлami)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i
aerofotosъemka, 1958, Nr 5, pp 3-16 (USSR)

ABSTRACT:

This is a comment on the paper by G. A. Burmistrov, Doctor Candidate of Technical Sciences, which was published in the periodical "Trudy Moakovskogo Instituta inzhenerov geodezii, aerofotosъemki i kartografii", Moscow, 1957, Nr 29. Burmistrov considers the method proposed by the author in his paper which is cited by reference² to be erroneous. He makes, however, mistakes in his elaborations, which lead to a somewhat **paradoxical** conclusion in the solution of a numerical problem which was obtained according to his method as compared to the results of the method advanced by the author (which was considered erroneous by Burmistrov). This paper presents a clear proof of the fact that the considerations of Burmistrov are wrong and that the method of the author which was critizised by Burmistrov is correct. The mistake Burmistrov made was to

Card 1/2

HAUSBRANDT, S.

International Circle for Geodetic Studies. In Esperanto and Polish. p. 353

PRZEGŁAD GEODEZYNJYN. (Stowarzyszenie Naukowe-Techniczne Geodetów Polskich)
Warszawa. Vol. 15, no. 8/9 , Aug/ Sept. 1959.

Monthly List of East European Accession (EEAI) IC, Vol. 9, no. 2, Feb. 1960.

Uncl.

HAUSBRANDT, Stefan

Some remarks on the possibility of employing the achievements
of mathematical statistics for the determination of the exactness
of engineering measurements. Geod i kart 9 no.1:3-55 '60.

1. Komitet Geodezji, Polska Akademia Nauk, Warszawa.

HAUSE, Ber., dr.; KRASINSKI, Chryzogon; LEJMAN, Sylvester; SZEWICZYK, Marian;
DALLOS, Kalman [translator].

Organization of large serial production of machine tools.
Gepgyartastechn 2 no.2:41-45 F '62.

HAUSER, J.

"Economic results and prospects of glass and ceramic industries in 1959."
P. 144.

SKLAR A KERAMIK. (Ministerstvo lehkeho prumyslu). Praha, Czechoslovakia,
Vol. 9, No. 5, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

HAUSER, Jerzy; WRANICZ, Tadeusz

Vertigo. Otolar. poiska 16 no.2:429-435 '62.

l. Z Kliniki Otolaryngologicznej w Lodzi Kierownik: doc. dr med.
J. Borsuk i z Kliniki Neurologicznej Kierownik: doc. dr med.
W. Stein.

(VERTIGO)

HAUSER, J.

PHASE I BOOK EXPLOITATION SLOVAK/4838

Békés, Jan, Rudolf Čelko, Ladislav Červený, Juraj Hauser, Professor, Engineer
Ladislav Herbansky, Stelan Kissdczy, Ondrej Liptak, and Jan Nebesky, all engineers.

Obrábanie kovov (Machining of Metals) Bratislava, Slovenské vyd-vo techn. lit-ry,
1960. 467 p. 2,000 copies printed.

Scientific Ed.: Juraj Hauser; Reviewers: Evžen Hirschfeld, Professor, Engineer,
Doctor, and Eugen Chaloupsky, Engineer; Ed.: Pavol Pálfi, Engineer; Resp.
Ed.: Pavol Holéczy, Engineer; Tech. Ed.: Karol Holásek.

PURPOSE: This book is intended as a textbook for students of schools of higher
technical education. It may also be used by technical personnel in machine-shop
practice.

COVERAGE: The book presents the theoretical fundamentals of metal machining. The
construction of machine tools is described and sample machining problems are
given. Also discussed are the measuring and inspection of machine parts and

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Machining of Metals

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machine tools, and the selection, planning, and economy of machining processes. The book is supplemented with standards. The chapters were written as follows: J. Bekeš, Chs. 2 and 5; R. Čelko, Ch. 7; L. Červený, Chs. 9, 10 and 20; J. Hauser, Chs. 1, 16, 21, 22, 23, and Section 9 of Ch. 20; L. Herbansky, Chs. 8 and 13; S. Kissóczy, Chs. 4, 11, and 17; O. Lipták, Chs. 12, 14, 15, 19, and Section 2 of Ch. 7 and Section 2 of Ch. 8; J. Nebeský Chs. 3, 6, 18 and 24. The authors thank their assistants V. Bulla, Engineer, J. Potocky, Engineer, and F. Barinek. There are 187 references: 108 Czech, 39 Soviet, 17 German, 11 Slovak, 7 English, 3 Hungarian, 1 French, and 1 Polish.

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"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000617920002-4

HANSK, Jerzy; UGADENIC, Romuald

Apropos of the anatomical nomenclature in laryngology. *Archivum Otolaryng.* Vol. 18 no. 3a.29-43. 1964.

i. Z Kliniki Laryngologicznej Akademii Medycznej (Kier. dr hab.
prof. dr. med. J. Barsuk).

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000617920002-4"

HAUSER, Jerzy
SURNAME, Given Name

(1)

Country: Poland

Academic Degrees: Lekarz Military rank: Lt. Col.⁷

Affiliation: Otolaryngological Clinic (Klinika Otoraryngologiczna), Military
School of Medicine (WAM--Wojskowa Akademia Medyczna), Lodz.

Source: Warsaw, Lekarz Wojskowy, Vol 36, No 5, 1961, pp. 456-462.

Data: "On Meniere's Disease."

GPO 981643
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HAUSER, K.

TECHNOLOGY

Periodical: KVASYN PRUMYSL. Vol 4, no. 10 Nov, 1958

HAUSER, K. Future development of the Soviet alcohol industry. p. 242.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3
March 1959, Uncl.

HAUSER, Karel, inz.

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potravin 14 no. 5:235-238 My '63.

1. Vyzkumny ustav lihovarskeho a konzervarensakeho prumyslu,
Praha.

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HALF A M.

18

Properties of Utilization of Metal Powders. M. V. Lashko
(Koktsev Litok, 1955, No. 2, pp. 31-38). The author
reviews the use of various kinds of metal powders in the
chemical, metallurgical and metal industries. — P. K.

J

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000617920002-4"

Hauska, 27/4a - 2

1642" Recent Problems of Hungarian Aluminum-Powder Production. A hazai alumíniumpor-gyártás időszára kérdései. MG
(Hungarian.) Miklós Hauska. Kohászati lapok, v. 10, no. 10,
Oct. 1955, p. 482-483.
Review of powder production abroad; history of production in Hungary and its obstacles; prerequisites for increasing production quality.

DP

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18

Perspectives of Development in Metal Powder Production
During the Second Five Year Plan Period in Hungary.
Hargita, *Kohászati Lapok*, 1956, 11, (9), 428-428. The
Hungarian metal powder industry involves four categories:
(1) Iron and metal powders for mass production of metal
ceramic and cemented carbide products. (2) Magnetic iron
and metal powders for electronic techniques. (3) Special
metal powders for vacuum technique. (4) Light and coloured
metal and iron metal alloy powders for other metallurgical
and chemical purposes. The author deals only with the
fourth group and discusses in detail the present manufacturing
problems in Hungary such as: labour production and
production security, maintenance, quality supervision,
transport, cost price and the shortage of skilled labour.
Afterwards he return to the uses and economics of these metal
powders. - p. 5.

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ACCESSION NR: AF5020176

CZ/0049/64/000/010/0007/0803

AUTHOR: Navara, Jan (Graduate biologist); Hauskrecht, Ivan; Matula, Martin

TITLE: Contribution to the use of gasincubators for influencing the plants
with atmospheric fluorine

SOURCE: Biologia, no. 10, 1964, 800-803

TOPIC TAGS: plant physiology, fluorine, agricultural machinery

Abstract: The authors describe an apparatus of their design, which was constructed to simulate the influence of fluorine in industrial waste gases upon plant life; description of the operating conditions for the apparatus is presented. Continuous operation, trouble-free service, and adjustable conditions are claimed. Plexiglass was used as the material of construction.

Orig. art. has 2 figures and 1 table.

ASSOCIATION: Section for Biology and Landscape forming, Biological Institute of the Slovak Academy of Sciences, Bratislava

SUBMITTED: 18 May 64

ENCL: 00

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OTHER: 002

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CZECHOSLOVAKIA

HAUSKRECHT, Ivan; HAJDUK, Juraj; Institute of Biology of the Countryside, Slovak Academy of Sciences, Department of the Influence of Industrial Wastes on Biocoenosis, Bratislava. [Original version not given].

"Content of Hg and Other Elements in Allium Montanum Schmidt, Growing in the Neighborhood of the Area Influenced by Industrial Exhausts from the Iron Ore Treating Plant at Rudnany."

Bratislava, Biologia, Vol 21, No 9, 1966, pp 676 - 680

Abstract /Authors' Slovak summary modified: The content of Hg in Allium montanum growing at a distance of 50 m from the discharge of the exhaust gases was found to be 0.2822 g/1000 g of dry matter. At a distance of 100 km Hg could not be proved in the plants. The content of N, K, and Na was not influenced by the exhaust gases, but the content of P₂O₅, Ca and Mg was lowered. Allium montanum is probably stimulated by Hg, or by the fact that other vegetation is suppressed by it. 1 Table, 2 Western, 7 Czech references. (Manuscript received 12 May 66). Article is in German.

1/1

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617920002-4
HAUSLER, Jaroslav

Lubrication technique and maintenance of production equipment.
Ropa a uhlie 5 no.5:158 My '63.

1. Technik udrzby Spolku pro chemickou a hutni výrobu, n.p.,
zavod Nestemce.

YUGOSLAVIA/Human and Animal Physiology - Internal Secretion.
Suprenenal Glands.

T-7

Abs Jour : Ref Zhur - Biol., No 18, 1953, 84405

Author : Kostial, Krista, Bozovic, L., Hüusler, Vera

Inst : -

Title : Quantitative Eosinophil Changes after Cortisone Induction
to Adapted Rats.

Orig Pub : Arhiv. hig. rada o tcksikol., 1956, 7, No 2, 85-88.

Abstract : As 2 ml/100 gr of cortisone were given to rats adapted
to adrenalin and hypoxia, the number of eosinophils in
their blood did not change.

Card 1/1

Hausman, J. APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617920002-4"

"Lighter frames of greater strength in the construction of automobiles." p.794

SVET MOTORU. (Svaz pro spolupraci s armadou) Praha, Czechoslovakia, Vol. 9,
no. 25/26, Dec., 1955.

Monthly List of East European Accessions (EEAI) L6, Vol. 8, No. 9, Sept. 1959

Uncl.

Hausman, J.

Hausman, J. Roof above the head. p. 76.

(hs) Hydraulic control of valves. p. 80.

Vol. 10, no. 3, Feb. 1956
SVET MOTORU
TECHNOLOGY
Czechoslovakia

So: East European Accessions, Vol. 6, May 1957
No. 5

Hausman, J.

Hausman, J. Truth about the Ferguson car. p. 63.

Vol. 10, no. 3, Feb. 1956

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Single-lever shifting and starting in JAWA-CZ motorcycles. p. 148.

Vol. 10, no. 5, Mar. 1956
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So: East European Accessions, Vol. 6, May 1957
No. 5

HAUSMAN, J.

HAUSMAN, J. And once more about the Guzzie eight-cylinder motorcycle. p. 370

Vol. 10, no. 12, June 1956
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Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

Hausman, J.; Poliacek, J.

Hausman, J.; Poliacek, J. Avia and Moravan cars in the process of testing. p. 565.

Vol. 10, no. 18, Aug. 1956
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Hausman, J. Harvest of records on Salt Lake. p. 562.

Vol. 10, no. 18, Aug. 1956

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So: East European Accessions, Vol. 6, May 1957

No. 5

KAUSVAL, J.

Is a rotary slide valve coming back into favor? p. 724. (Svet Motoru.
Vol. 10, No. 23, Nov 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

HAUSMAN, J.

Competition from abroad. p.370.
(Svet Motoru, Vol. 11, No. 12, June 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

HAUSMAN, J.

The technical features of Le Mans. p. 498. (SVET MOTORU, Vol. 11,
No. 16, Aug 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

HAUSMAN, J.

Problems of valve timing. p. 532. (SVET MOTORU, Vol. 11, No. 17, Aug 1957.
Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (SEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

HAULÍK, J.

The 3d Exhibition of the Czechoslovak Machinery Industry in Brno.

p. 592 (Svet Motoru. Vol. 11, no. 19, Sept. 1957. Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

HAUSMAN, J.

HAUSMAN, J. Good-by to the clutch pedal. p. 665
Motorcycle hydraulic transmission with progressive effect.

Vol. 10, no. 21, Oct. 1956
SVET MOTORU
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Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

HAUSMANN, J.

Why they did not finish the race.

p. 686 (Svet Motoru, Vol. 11, no. 22, Oct. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

HANCKMAN, J.

The first of a series of auto shows.

p. 68⁹ (Svet Motoru, Vol. 11, no. 22, Oct. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

HAUSMAN, J.

Problems of braking.

P. 156 (Motoristicka Soucasnost) Vol. 3, No. 2, May 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VOL.7, NO.1, JAN. 1958

HAUSMAN, J.; POLIACEK, J.

3d Exhibition of the Czechoslovak Machinery Industry.

p. 616 (Svet Motoru) Vol. 11, no. 20, Sept. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

HAUSMAN, J.; HORAK, O.

Motorcycles in Spindleruv Mlyn.

p. 620 (Svet Motoru) Vol. 11, no. 20, Sept. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

HAUSMAN, J.

The dawn of a new phase in motorism.

p. 656 (Svet Motoru) Vol.11, no. 21, Oct. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (SEAI) LC, VOL. 7, NO. 1, JAN. 1958

HAUSKAN, J.

3d Exhibition of the Czechoslovak Machinery Industry.

p. 661 (Svet Motoru) Vol. 11, no. 21, Oct. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

HAUSMAN, J.

"The motorcycle in Europe. (Conclusion)."

p. 50 (Svet Motoru) Vol. 12, no. 2, Jan. 1958
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

HAUSMAN, J.

"Dancing on ice."

p. 56 (Svet Motoru) Vol. 12, no. 2, Jan. 1958
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

HAUSMAN, J.

TECHNOLOGY

Periodical: SVET MOTORU. Vol. 12, no. 16, Aug. 1958.

HAUSMAN, J. Safe application of brakes. p. 500.

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.